

GENERIC REASSIGNMENTS OF NORTH AMERICAN SPECIES
CURRENTLY ASSIGNED TO THE GENUS *SERICOTHRIPS* HALIDAY
(THYSANOPTERA: THIRIPIDAE)

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Abstract.—Although the concepts of *Sericothrips* and related genera were revised in 1973, only 14 of the 51 *Sericothrips* species heretofore reported from North America (i.e. Panama northward and the Caribbean Islands) have been reviewed and reassigned to the proper genera thus far. In order to conform to current concepts, the North American species were reviewed and assigned to *Hydatothrips*, *Neohydatothrips* or retained in *Sericothrips*, and 1 species was treated as a nomen dubium. The current scientific names, distributions, and literature citations for 2 *Hydatothrips* spp., 47 *Neohydatothrips* spp. (including 3 spp. recently described from Mexico) and 3 *Sericothrips* spp. known to occur in North America are presented here.

Key Words: Thysanoptera, Thripidae, *Sericothrips*, *Hydatothrips*, *Neohydatothrips*, North America, new combinations

In a preliminary revision of the genus *Sericothrips* Haliday and related genera, Bhatti (1973: 403) revalidated *Hydatothrips* Karny and transferred most of the *Sericothrips* species he examined to *Hydatothrips* and *Neohydatothrips* John. Although 51 species of *Sericothrips* were reported by Jacot-Guillarmod (1971: 359), Johansen (1979: 169) and Sakimura (1986: 356) from North America (i.e. from Panama northward and the Caribbean Islands), only 14 species have been reevaluated thus far for their proper generic assignments. Bhatti (1973: 405) transferred 1 species to *Hydatothrips*, 7 species to *Neohydatothrips* and retained 2 species in *Sericothrips*; Johansen (1983: 107) transferred 2 species to *Neohydatothrips*; and Sakimura in Cho et al. (1987: 507) transferred 1 species to *Neohydatothrips*. O'Neill (1972: 276) treated *S. campestris* Hood (1939: 556) as a junior synonym of *N. floridanus* (Watson). The remaining species are

brought into conformity with current concepts here by reassigning 1 species to *Hydatothrips*, 34 species to *Neohydatothrips*, retaining 1 species in *Sericothrips*, and treating 1 species as a nomen dubium. The generic assignments are based on the types except for *N. desmodianus* (Stannard), which is based on identified type material, and *N. mirandai* (Johansen), which is based on Johansen's opinion (pers. comm., 1987). The examined specimens are deposited in the Thysanoptera collection of the U.S. National Museum of Natural History (USNM) located at Beltsville, Maryland.

According to Jacot-Guillarmod (1971: 395), the type depository of *Sericothrips trifasciatus* (Ashmead) is the USNM, but I have not been able to find the types. This species, originally described as *Thrips trifasciatus* (Ashmead 1894: 27), was assigned to *Sericothrips* by Hood (1957: 53) in a footnote. He also stated: "Watson suggested

(Bull. 168, Fla. Agr. Exp. Sta., p. 44, 1923) that this might be *Franklinothrips vespiformis*, but scarcely a word or phrase of Ashmead's description could be applied to that species." Hood did not give his reason for this assignment. Ashmead's brief description is inadequate for distinguishing the species. Because the types of *trifasciatus* cannot be found, this species is here considered a nomen dubium.

The following list treats 2 *Hydatothrips* spp., 47 *Neohydatothrips* spp. (including 3 spp. described by Johansen (1983: 107)) and 3 *Sericothrips* spp. for North America. The literature citation for the original description is given for each species. References for species assigned by Bhatti (1973), Johansen (1983) and Sakimura (1987) are also cited. The distribution records are based on the work of Bailey (1957: 195), Beshcar (1973: 11; 1979:211), Chiasson (1986: 45), Hunsinger et al. (1982: 48), Jacot-Guillarmod (1971: 359), Johansen (1979: 169; 1983: 107), Sakimura (1985: 30; 1986: 356), Stannard (1968: 345) and material in the USNM collection. For the United States (US), the states in postal abbreviations are given.

Hydatothrips Karny

sternalis (Hood) 1935: 148; Bhatti 1973: 405. Dist. Panama.
tricinctus (Hood) 1928: 231. New Combination. Dist. Brazil, Dominica, Guadeloupe, Jamaica, Martinique, Trinidad.

Neohydatothrips John

albus (Jones) 1912: 6. New Combination. Dist. US (CA).
andrei (J. C. Crawford) 1943: 39. New Combination. Dist. US (VA).
annulipes (Hood) 1927a: 211; Bhatti 1973: 405. Dist. US (GA, IA, IL, NJ, NY, VA).
apicalis (Hood) 1927b: 137. New Combination. Dist. Canada (Alberta), US (IA, IN, ND).
aztecus Johansen 1983: 113. Dist. Mexico.
baileyi (Hood) 1957: 53. New Combination. Dist. US (CA).

baptisiae (Hood) 1916: 113; Bhatti 1973: 405. Dist. US (GA, IL, MD, NJ, NY, VA).
basilaris (Hood) 1941: 139. New Combination. Dist. Cuba.
beachae (Hood) 1927b: 133. New Combination. Dist. Canada (Alberta), US (IA, IL, ND).
burungae (Hood) 1935: 150; Johansen 1983: 113. Dist. Jamaica, Mexico, Panama.
catenatus (Hood) 1957: 51. New Combination. Dist. US (AZ).
chrysothamni (Hood) 1936: 85. New Combination. Dist. US (CA, NV, OR).
collaris (Hood) 1936: 91. New Combination. Dist. US (AZ, NM).
ctenogastris (Hood) 1936: 93. New Combination. Dist. US (AZ, TX).
desertorum (Hood) 1957: 52. New Combination. Dist. US (NM).
desmodianus (Stannard) 1968: 351. New Combination. Dist. US (GA, IL, NJ).
ephedrae (Hood) 1957: 51. New Combination. Dist. US (AZ, NM).
flavicollis (Hood) 1954: 204. New Combination. Dist. Brazil, Jamaica.
floridanus (Watson) 1918: 53; Bhatti 1973: 405. Dist. US (FL, GA, IL, MD, MO, TN, TX, VA).
fraxinicola (Hood) 1940: 545. New Combination. Dist. US (NY).
geminus (Hood) 1935: 146. New Combination. Dist. Jamaica, Mexico, Panama, Puerto Rico.
gracilipes (Hood) 1924a: 149; Sakimura in Cho et al. 1987: 507. Dist. Jamaica, Mexico, US (HI, TX).
interruptus (Hood) 1927b: 136. New Combination. Dist. US (GA, IA, IL, MD, NJ).
inversus (Hood) 1928: 232. New Combination. Dist. Dominica, Jamaica, Panama, Trinidad.
langei (Moulton) 1929: 230. New Combination. Dist. US (IL, WI).
mimosae (Hood) 1955: 134. New Combination. Dist. Costa Rica.
mirandai (Johansen) 1979: 169. New Combination. Dist. Mexico.

moultoni (Jones) 1912: 7; Bhatti 1973: 405. Dist. US (CA, UT).
nubilipennis (Hood) 1924b: 312. New Combination. Dist. US (IA, IL, ND, MD, NY, PA, VA).
opuntiae (Hood) 1936: 88. New Combination. Dist. US (AZ, CA, NM).
pedicellatus (Hood) 1927b: 131. New Combination. Dist. US (IL, NJ, TX).
portoricensis (Morgan) 1925: 3; Bhatti 1973: 405. Dist. Brazil, Cuba, Guadeloupe, Jamaica, Panama, Puerto Rico, St. Lucia, Trinidad.
pseudoanmipiles Johansen 1983: 109. Dist. Mexico.
pulchellus (Hood) 1908: 363. New Combination. Dist. US (IL, MD).
rapoportii Johansen 1983: 110. Dist. Mexico.
sambuci (Hood) 1924b: 313. New Combination. Dist. Canada (Ontario). US (DC, IA, IL, MD, NJ, NY).
sensillis (Hood) 1936: 95. New Combination. Dist. US (AZ).
setosus (Hood) 1927b: 135. New Combination. Dist. US (AZ, TX).
signifer (Priesner) 1932: 172; Johansen 1983: 115. Dist. Mexico.
spiritus (Hood) 1927b: 138. New Combination. Dist. US (AZ).
tibialis (Priesner) 1924: 528; Bhatti 1973: 405. Dist. Mexico.
tiliae (Hood) 1931: 151. New Combination. Dist. US (IA, IL, IN, ND, NY).
tissoti (Watson) 1937: 4. New Combination. Dist. US (FL).
variabilis (Beach) 1896: 220; Bhatti 1973: 405. Dist. Canada (British Columbia), Mexico, US (AL, AR, AZ, CA, DE, GA, IA, KS, LA, IL, IN, MA, MD, MO, NC, NJ, OK, SC, TN, TX, UT, VA).
vicenarius (Hood) 1955: 133. New Combination. Dist. US (TX).
williamsi (Hood) 1928: 230. New Combination. Dist. Mexico, St. Croix.
zebra (Hood) 1940: 543. New Combination. Dist. US (NY).

Sericothrips Haliday

cingulatus Hinds 1902: 141; Bhatti 1973: 405. Dist. Canada (Alberta, Manitoba), US (AR, GA, IA, IL, LA, MA, MD, MS, NE, NY, TN, TX, VA).
pubescens Hood 1957: 50. New Combination. Dist. US (NY).
smithi Stannard 1951: 129; Bhatti 1973: 405. Dist. US (GA, IL, NC, SC).

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